

**Cell line designation:** IPLB-HvE6s

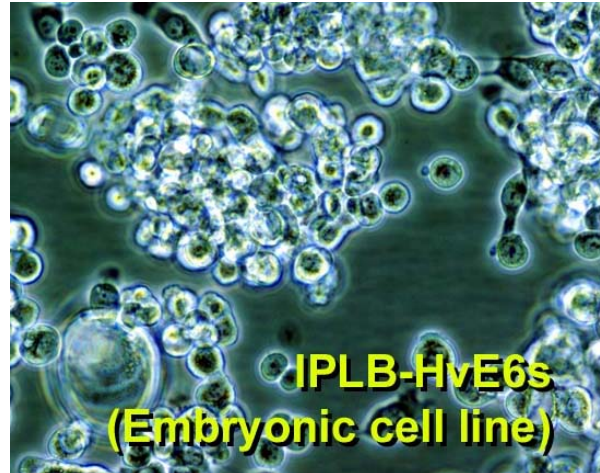
**Tissue source:** *Heliothis virescens* embryos

**Date initiated:** 15 June 1995

**Morphology:** small round cells in suspension as large aggregates.

**Culture medium:** Modified TC100 (=BML-TC/10, Gardiner and Stockdale, J. Invertebr. Pathol. 25: 363-370, 1975, modified as follows):

<u>Complete Medium</u>	
TC100	100 ml
Fetal Bovine Serum	10 ml
stock "P"	5.0 ml
vitamin stock	0.2 ml
trace minerals	0.1 ml
iron soln.	0.067 ml
Glycerol (50% in water)	0.32 ml
Glutamine (2 g/l)	2.0 ml



(see below for stock solutions)

**Subculture procedure:** At one-week intervals, cells are gently mixed (without disturbing any attached cells). 0.2 ml of the cell suspension is transferred to 3.8 ml fresh medium in a new flask (=1:20 split). Cells are maintained at 26°C.

**Virus susceptibility:** Cells are susceptible (with complete occlusion body formation) to *Autographa californica* nucleopolyhedrovirus, *Anagrapha falcifera* nucleopolyhedrovirus, *Anticarsa gemmatilis* nucleopolyhedrovirus, *Heliothis armigera* nucleopolyhedrovirus, *Plutella xylostella* nucleopolyhedrovirus, *Rachoplusia ou* nucleopolyhedrovirus, and *Helicoverpa zea* nucleopolyhedrovirus.

**Comments:** This is a suspended strain selected from IPLB-HvE6.

**Reference:** Lynn, D. E. and Shapiro, M. (1998) New cell lines from *Heliothis virescens*: Characterization and Susceptibility to Baculoviruses. J. Invertebr. Pathol. 72:276-280.

## MEDIA STOCK SOLUTIONS

### Stock "P"

HyPep Dev 4601 (Quest International)	5 g
Primatone RL (Sheffield Products)	5 g
TC grade water	100 ml
Autoclave, store 4°C	

### Iron Soln.

FeSO <sub>4</sub> .7H <sub>2</sub> O	0.0823 g
Aspartic acid	0.0532 g
TC grade water	100 ml
Filter 0.2 um, store 4°C	

### Vitamin Stock

Thiamine-HCl	4.8 mg
Riboflavin	4.8 mg
Calcium Pantothenate	4.8 mg
Pyridoxine HCl	12. mg
Para-amino benzoic acid	9.6 mg
Niacin	4.8 mg
Biotin	4.8 mg
TC Grade water	60 ml
Filter 0.2 um, store 4°C	

### Trace Minerals

ZnCl <sub>2</sub>	4.0 mg
MnCl <sub>2</sub> .4H <sub>2</sub> O	2.0 mg
CuCl <sub>2</sub> .2H <sub>2</sub> O	19.5 mg
(NH <sub>4</sub> ) Mo <sub>7</sub> O <sub>24</sub> .4H <sub>2</sub> O	4.0 mg
CoCl <sub>2</sub> .6H <sub>2</sub> O	5.0 mg
TC Grade Water	100 ml
Filter 0.2 um, store 4°C	